

ABSTRACT OF THE DISCLOSURE

A water purification system and method includes a UV, ozone treatment and oxygenation stage housed in the chamber of one canister and one or two further canisters include at least one of a pre-filtration filter for filtering large particulates prior to
5 introduction to the first-mentioned canister and a post-filtration filter for removal of smaller particulates downstream of the first-mentioned canister. The system is versatile in that one or the other of the filtration stages can be eliminated if unnecessary. The first filtration stage removes such particulates as would interfere with irradiation, ozone treatment and oxygenation. The irradiation, ozone treatment and oxygenation kill such
10 bacteria as will collect on the surface of the post-filtration filter to thereby prevent bacteria breeding there. The canister exteriors are identically molded. The interior of the canister housing the irradiation, ozone treatment and oxygenation stage differs only in the molding of openings for the insertion and mounting of the UV lamp and quartz tube, a check valve by which ozone is introduced into the water in the interior chamber and an opening for a
15 pressure sensor that activates the UV lamp.